

## Abstract

An object of the invention is to clear up factors in deterioration due to optical reflection and to provide an optical transmission apparatus and an optical transmission system in which a superior optical transmission  
5 characteristic can be obtained for analog signals even if a reflection phenomenon occurs in an optical transmission line. There are provided a frequency converter (3) for converting the frequency band of a to-be-transmitted electric signal into a predetermined frequency band higher than this frequency band, and a semiconductor laser (4) serving as an electro-optic converter for  
10 performing electro-optic conversion upon the frequency-converted electric signal.